What is claimed is:

[Claim 1]   1. A method for erasing a re-writable disk the method comprising:

when fully erasing the re-writable disk and a write fail occurs, determining whether the write fail occurs in a program area of the re-writable disc;

if the write fail occurs in the program area of the re-writable disk, writing mode 0 data on locations following a location where the write fail occurs; and

if the write fail does not occur in the program area of the re-writable disk, issuing a write fail message to a host.

[Claim 2]   2. The method of claim 1 wherein the write fail message is a servo fail message.

[Claim 3]   3. The method of claim 1 wherein the write fail is an ATIP unlocked interrupt.

[Claim 4]   4. The method of claim 1 wherein the step of writing mode 0 data on locations following the location where the write fail occurs comprises driving a pick-up head to the location where the write fail occurs for writing mode 0 data on locations following the location where the write fail occurs.

[Claim 5]   5. A method for erasing a re-writable disk comprising:

when fully erasing the re-writable disk, writing mode 0 data into the re-writable disk;

when a write fail occurs, determining whether the write fail occurs in a program area of the re-writable disk; and

if the write fail occurs in the program area of the re-writable disk, writing the mode 0 data in the program area of the re-writable disk.

[Claim 6]   6. The method of claim 5 further comprising if the write fail does not occur in the program area of the re-writable disk, issuing a write fail message to a host.

[Claim 7]   7. The method of claim 6 wherein the write fail message is a servo fail message.

[Claim 8]   8. The method of claim 5 wherein the write fail is an ATIP unlocked interrupt.

[Claim 9]   9. The method of claim 5 wherein the step of writing the mode 0 data in the program area of the re-writable disk comprises writing the mode 0 data on locations following the location where the write fail occurs.

[Claim 10]   10. The method of claim 9 wherein the step of writing mode 0 data on locations following the location where the write fail occurs comprises driving a pick-up head to the location where the write fail occurs for writing mode 0 data on locations following the location where the write fail occurs.